

### ABSTRACT OF THE DISCLOSURE

A heat exchanger which is symmetrical with respect to rotation, especially a thermal roller which is driveable for rotation and is heated by a fluid or gas, preferably a heat transfer oil, water or steam, and is preferably used in the paper industry includes at least one shut-off device for cutting off the forward flow and/or return flow of the thermal roller as soon as the forward flow pressure and/or the return flow pressure of the heat transfer medium drops off significantly or drops to zero.